

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/02912

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q19/30 H01Q19/32 H01Q1/24 H01Q3/24 H01Q21/29
H04B7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAMER M ET AL: "Experimental vehicular angle-diversity antenna using mutual coupling" PROCEEDINGS OF THE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSYS). CHICAGO, JULY 20 - 24, 1992, NEW YORK, IEEE, US, vol. 2, 18 July 1992 (1992-07-18), pages 1089-1092, XP010066055 ISBN: 0-7803-0730-5 the whole document	1-5
P, X, L	WO 03 049321 A (DOLMANS WILHELMUS M C ;LEYTEN LUKAS (NL); BERGERVOET JOZEF R M (NL) 12 June 2003 (2003-06-12) the whole document (L:priority)	1-4

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

21 November 2003

Date of mailing of the international search report

02/12/2003

Name and mailing address of the ISA

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Van Dooren, G

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 902 498 A (MITSUBISHI ELECTRIC CORP) 17 March 1999 (1999-03-17) paragraphs '0006!-'0008!, '0029! ---	1-5
A	SCOTT N L ET AL: "DIVERSITY GAIN FROM A SINGLE-PORT ADAPTIVE ANTENNA USING SWITCHED PARASITIC ELEMENTS ILLUSTRATED WITH A WIRE AND MONOPOLE PROTOTYPE" IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, IEEE INC. NEW YORK, US, vol. 47, no. 6, June 1999 (1999-06), pages 1066-1070, XP000845955 ISSN: 0018-926X cited in the application section II ---	1-5
A	EP 1 030 401 A (MATSUSHITA ELECTRIC IND CO LTD) 23 August 2000 (2000-08-23) paragraphs '0023!-'0037!; figure 1 ---	1-5
A	US 3 743 941 A (REUDINK D ET AL) 3 July 1973 (1973-07-03) abstract ---	5
A	DEVLIN L M ET AL: "A 2.4 GHz single chip transceiver" MICROWAVE AND MILLIMETER-WAVE MONOLITHIC CIRCUITS SYMPOSIUM, 1993. DIGEST OF PAPERS., IEEE 1993 ATLANTA, GA, USA 14-15 JUNE 1993, NEW YORK, NY, USA, IEEE, US, 14 June 1993 (1993-06-14), pages 23-26, XP010069076 ISBN: 0-7803-1322-4 abstract -----	5

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Inter. Application No

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